

WATER RECLAMATION FACILITY IMPROVEMENTS AND EXPANSION PROJECT

PROJECT OVERVIEW

ESTIMATED COST:

Design and Construction: \$159,000,000
Non-Point Source (NPS) Benefit:* TBD

DESCRIPTION:

The Water Reclamation Facility must be expanded to address population growth. The Wastewater Treatment and Collection System Master Plan, which was completed in February 2018, recommended the construction of facility improvements over the next seven years to enhance efficiencies and increase the facility capacity from 21 million gallons per day (MGD) to 30.1 MGD.

FUNDING:

State Revolving Loan Fund (SRF)

PROJECT DELIVERY METHOD:

Construction Manager at Risk

DESIGN/CONSTRUCTION TIMELINE:

Design: 2019-2020
Construction: 2021-2025

*The City proposes to construct non-point source improvements within the Big Sioux River basin. These non-point projects will include measures such as stream stabilization, grazing management, agriculture waste management, and creating vegetated buffers along the Big Sioux River and its tributaries.

FORTHCOMING CITY COUNCIL ACTION

2018-2020

INFORMATIONAL PRESENTATION

to include information on all Water Reclamation [October 2018](#)
major projects and utility rates

CMAR RESOLUTION

approval to use Construction Manager at Risk [November 2018](#)
(CMAR) project delivery method

ORDINANCE ESTABLISHING SANITARY SEWER RATES

first reading [November 2018](#)

ORDINANCE ESTABLISHING SANITARY SEWER RATES

second reading [December 2018](#)

FACILITIES PLAN RESOLUTION

required for state funding eligibility [Spring 2019](#)

CMAR RESOLUTION

approval of selected CMAR on the project [May 2019](#)

ORDINANCE APPROVING LOAN/BOND

acceptance of state loan [January 2020](#)

PUMP STATION 240 CAPACITY IMPROVEMENTS PROJECT

PROJECT OVERVIEW

ESTIMATED COST:

Design and Construction: \$39,390,000
Non-Point Source (NPS) Benefit:* TBD

DESCRIPTION:

Pump Station 240 capacity improvements are required to address expected capacity issues and supply growth and development. The project will include pump station improvements and the installation of a new 30-inch diameter parallel force main from Pump Station 240 to the Water Reclamation Treatment Facility.

FUNDING:

State Revolving Loan Fund (SRF)

PROJECT DELIVERY METHOD:

Design--Bid--Build

DESIGN/CONSTRUCTION TIMELINE:

Design: 2019-2020
Construction: 2021-2022

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FORTHCOMING CITY COUNCIL ACTION

2019-2020

FACILITIES PLAN RESOLUTION
required for state funding eligibility

2020

ORDINANCE APPROVING LOAN/BOND
acceptance of state loan

2021



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MAIN PUMP STATION REPLACEMENT PROJECT

PROJECT OVERVIEW

ESTIMATED COST:

Design and Construction: \$24,400,000

Non-Point Source (NPS) Benefit:* \$2,430,000

DESCRIPTION:

This project includes the replacement of the original 1970s pump station with a new pump station to address screenings, flood plain, electrical, pump cavitation, lift station capacity, efficiency, and standby power needs.

FUNDING:

State Revolving Loan Fund (SRF)

PROJECT DELIVERY METHOD:

Design--Bid--Build

DESIGN/CONSTRUCTION TIMELINE:

Design: 2017-2018

Construction: 2019-2020

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FORTHCOMING CITY COUNCIL ACTION

2018-2019

FACILITIES PLAN RESOLUTION

November 2018

ORDINANCE APPROVING LOAN/BOND first reading

January 2019

ORDINANCE APPROVING LOAN/BOND second reading

January 2019

BID AWARD

March 2019



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EQUALIZATION EXPANSION PROJECT

PROJECT OVERVIEW

ESTIMATED COST:

Design and Construction: \$5,740,000

DESCRIPTION:

A 20-million-gallon earthen equalization basin will be constructed east of an existing 12-million-gallon equalization basin near North Cliff Avenue and East Chambers Street. The new equalization basin will be clay-lined with process improvements to automatically fill and discharge the basin as desired.

FUNDING:

Water Reclamation Enterprise Fund

PROJECT DELIVERY METHOD:

Design--Bid--Build

DESIGN/CONSTRUCTION TIMELINE:

Design: 2017-2018

Construction: 2018-2019

FORTHCOMING CITY COUNCIL ACTION

2018-2019

CONSTRUCTION CONTRACT

approval of selected contractor

October 2018

CONSTRUCTION ADMINISTRATION SERVICES

approval of contract

November 2018



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